

## General information

PWS1720250713

The SBR shear beam load cell, made of stainless steel and hermetically sealed, has been designed for the fiscal weighing of low-profile hoppers, tanks, belts and platforms, is 100% resistant to side loads and has a 6-conductor shielded cable 5 meters long. Furthermore, the MH MOUNTING KIT mounting accessory is available for this load cell and allows an easy assembly and installation. Also available in nickel-plated steel (SBRA model).



## Suggested related products

A highly performing weighing system must be accurate, perfectly calibrated and well maintained. In order to improve the load cell performance and to optimize its functioning, you may need the following products:

**Weight Transmitter** [DAT 1400](#)

**Weight Indicator** [MCT 1302](#)

**Mounting kits** [MKX ®](#)

**Mounting kits** [MH MOUNTING KIT](#)

**Tester 1008** [TESTER 1008](#)

**Junction Box** [CGS4-C](#)

All indicated data may be changed without notice.  
All the measures indicated are expressed in millimeters (mm).

## Technical specifications

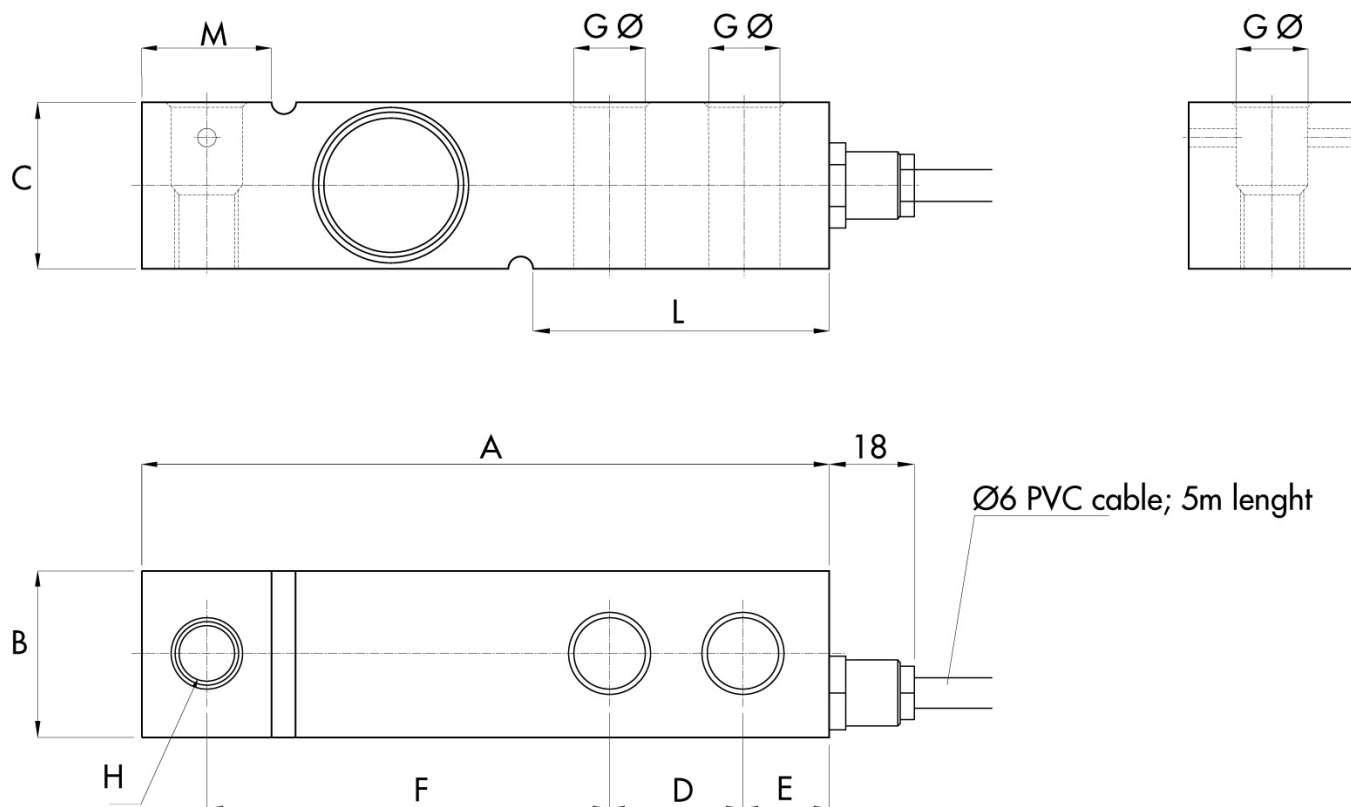
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<b>Rated load (RL):</b>	300, 500, 750, 1000, 1500, 2000, 3000, 5000, 7500, 10000 Kg
<b>Combined error:</b>	< $\pm 0.017$ % RO
<b>Repeatability:</b>	< $\pm 0.015$ % RO
<b>Creep (30 minutes):</b>	< $\pm 0.016$ % RO
<b>Safe overload:</b>	150 % RL
<b>Ultimate overload:</b>	200 % RL
<b>Clamping force without any load:</b>	RL 300 ÷ 2000 kg: 136 Nm; RL 3000 ÷ 5000 kg: 205 Nm
<b>Accuracy class:</b>	3000 OIML
<b>Deflection:</b>	0.2 ÷ 0.4 mm
<b>Compensated Temperature:</b>	-10 ÷ +40 °C
<b>Temperature range:</b>	-30 ÷ +70 °C
<b>Temperature effect on zero balance:</b>	< $\pm 0.01$ % RO/5 °C
<b>Temperature effect on output:</b>	< $\pm 0.006$ % RO/5 °C
<b>Rated output RO:</b>	2 mV/V $\pm 0.05$ %
<b>Zero balance:</b>	< $\pm 2$ % RO
<b>Insulation resistance:</b>	> 5000 MOhm
<b>Input resistance:</b>	400 $\pm 20$ Ohm
<b>Output resistance:</b>	350 $\pm 3$ Ohm
<b>Recommended input:</b>	5 ÷ 15 Vdc/Vac
<b>Degree of protection:</b>	IP68 - IP69K

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## Shear beam load cells **SBR**

available with certification • EAC • ATEX • OIML



### Electrical Connections

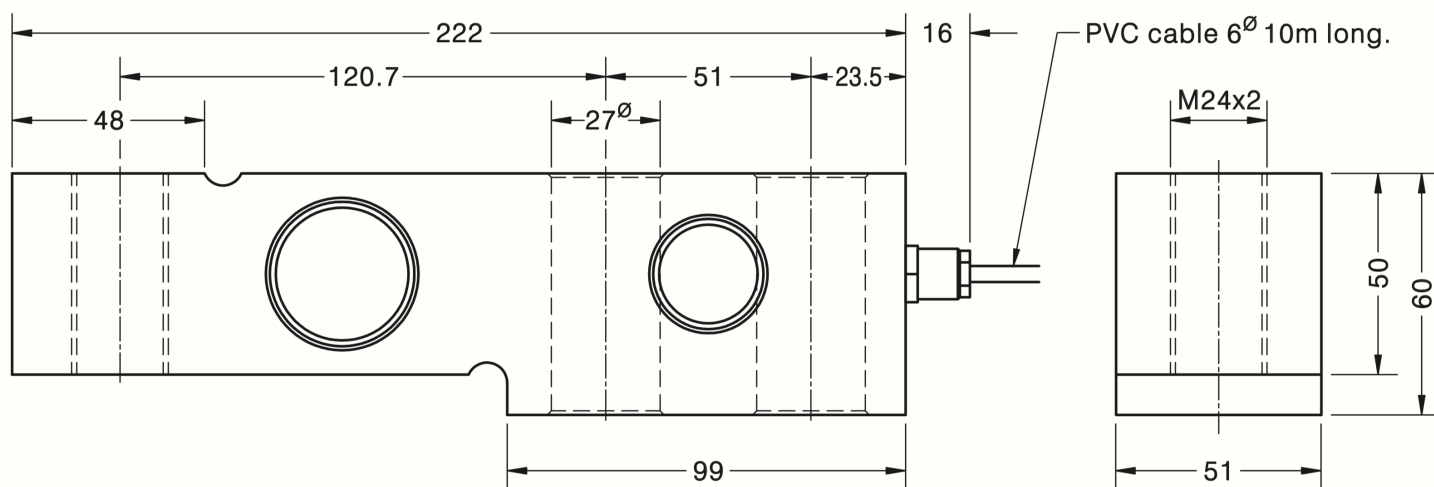
+Excitation	Green
-Excitation	Black
+Sense	Blue
-Sense	Yellow
+Signal	Red
-Signal	White
Shield	Cable Shield

### Capacity Kg

	300-2000	3000-5000
A	130	171.5
B	31.5	41.5
C	31.5	48
D	25.4	38.1
E	15.8	19
F	76.2	95.2
G	13.5	20.5
H	M12x1.75	M20x2.5
L	56	76
M	24.6	37

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Capacity 7.500 ÷ 10.000 Kg



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Shield	Cable Shield

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